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HEWLETT PACKARD LGL FCOLL

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IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): Eric Gouriou et al

ATTY. DOCKET NO.: 200206015-1

SERIAL NO: 10/608,179

EXAMINER: N/A

FILED: 06/27/2003

ART UNIT: N/A

TITLE: **SYSTEM AND METHOD FOR PROCESSING BREAKPOINT EVENTS IN  
A CHILD PROCESS GENERATED BY A PARENT PROCESS (AS  
AMENDED)**

**REQUEST FOR CORRECTED FILING RECEIPT**

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SIR/MADAM:

In response to the attached Filing Receipt referencing the above case, please note the following corrections:

The title now reads: **SYSTEM AND METHOD FOR PROCESSING BREAKPOINT  
EVENTS IN A CHILD PROCESS GENERATED BY A PARENT PROCESS BEING  
MONITORED UNDER AN INSTRUMENTATION SCHEME**

A preliminary amendment was filed on September 22, 2003 requesting that the title be  
amended to read: **SYSTEM AND METHOD FOR PROCESSING BREAKPOINT  
EVENTS IN A CHILD PROCESS GENERATED BY A PARENT PROCESS**


**Please forward a new filing receipt deleting the words "being monitored under an  
instrumentation scheme".**


Enclosed is a copy of the incorrect filing receipt as received, as well as a copy of the pertinent page  
from the preliminary amendment and the stamped postcard.

Respectfully submitted,

Eric Gourious et al

I hereby certify that this correspondence consisting of 5 pages is being  
sent via facsimile Transmission to the United States Patent Office  
at (703) 746-9195 on January 13, 2004.

Signature:   
Donna Kraft

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10/608,179	08/27/2003	2122	984	200206015-1	8	19	4

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

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Date Mailed: 12/09/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Eric Gouriou, Sunnyvale, CA; —  
Robert Hundt, Santa Clara, CA; —  
Sujoy Saraswati, Bangalore, INDIA; —

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted: 09/23/2003

Projected Publication Date: 12/30/2004

Non-Publication Request: No

Early Publication Request: No

## Title

System and method for processing breakpoint events in a child process generated by a parent process being monitored under an instrumentation scheme—

Preliminary Class

717

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Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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*In re Eric Gourion et al*  
10/608,330

## AMENDMENTS

### ***IN THE SPECIFICATION:***

Please replace the title with the following amended title.

**SYSTEM AND METHOD FOR PROCESSING BREAKPOINT EVENTS IN  
A CHILD PROCESS GENERATED BY A PARENT PROCESS BEING  
MONITORED UNDER AN INSTRUMENTATION SCHEME**

Please replace paragraph [0002] with the following amended paragraph.

[0037] While binary instrumentation leads to more precise results, the accuracy comes at some cost to the run-time performance of the instrumented program. Because the binary code of a program is modified, all interactions with the processor and the operating system can change significantly. For example, additional instructions and changes to a program's cache and paging behaviors can cause significant run-time performance degradation increases from a few percent to 400%. Consequently, binary instrumentation is considered intrusive.

Please replace paragraph [0003] with the following amended paragraph.

[0038] Dynamic binary instrumentation allows program instructions to be changed on-the-fly and leads to a whole class of more precise run-time monitoring results. Unlike static binary instrumentation techniques that are applied over an entire program prior to execution of the program, [.] dynamic ~~Dynamic~~ binary instrumentation is performed at run-time of a program and only instruments those portions of an executable that are executed. Consequently, dynamic binary instrumentation techniques can significantly reduce the overhead imposed by the instrumentation process.

Please replace paragraph [0005] with the following amended paragraph.

[0005] A basic reason for the difficulty in testing the correctness of a program is that program behavior largely depends on the data on which the program operates and, in

Serial No.: 10/608,179

Patent No.:

Applicant: Eric Gouriou et al.

Title: System and Method for Processing Breakpoint Events in a Child Process  
Generated by a Parent Process

Docket No.: 200208015-1

EM No.:

Filed: June 27, 2003

Issued:

C/M Date: 09/16/03

Due Date: \_\_\_\_\_

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- ☒ Other: Substitute Specification (pgs 1-21 and 26)
- Other: Formal Drawings (pgs 1-8) / Annotated Drawings (pgs. 1-8)

Person Mailing: LK

Responsible Atty: SAH/RAB

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